

## Recombinant Human RAB1A, His-tagged

**Cat. No.** RAB1A-3470H    **Lot. No.** (See product label)

### SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                             |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinant human RAB1A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.                                                                                                                                                 |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                       |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>            | 1-205 aa                                                                                                                                                                                                                                                                                    |
| <b>Description</b>              | RAB1A, also known as ras-related protein Rab-1A, is a member of ras-related superfamily. Rab proteins play an important role for, either in endocytosis or in biosynthetic protein transport. Rab1a protein controls vesicle traffic from the endoplasmic reticulum to the Golgi apparatus. |
| <b>Form</b>                     | Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT                                                                                                                                                                                                            |
| <b>Molecular Weight</b>         | 24.8 kDa (225aa), confirmed by MALDI-TOF                                                                                                                                                                                                                                                    |
| <b>Purity</b>                   | > 95% by SDS - PAGE                                                                                                                                                                                                                                                                         |
| <b>Concentration</b>            | 0.5 mg/ml (determined by Bradford assay)                                                                                                                                                                                                                                                    |
| <b>Sequences of amino acids</b> | MGSSHHHHHH SSGLVPRGSH MSSMNPEYDY LFKLLIGDS GVGKSCLLLR<br>FADDTYTESY ISTIGVDFKI RTIELDGKTI KLQIWDTAGQ ERFRTITSSY<br>YRGAHGIIVV YDVTDAQESFN NVKQWLQEID RYASENVNKL LVGNKCDLTT                                                                                                                  |

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KKVVDYTTAK EFADSLGIPF LETSAKNATN VEQSFMTMAA EIKKRMGPGA  
TAGGAEKSNV KIQSTPVKQS GGGCC

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**GENE INFORMATION**
**Gene Name**

[RAB1A](#) [RAB1A](#), member RAS oncogene family [ [Homo sapiens](#) ]

**Synonyms**

RAB1A, member RAS oncogene family; RAB1; YPT1; DKFZp564B163; ras-related protein Rab-1A; OTTHUMP00000202272; YPT1-related protein; Rab GTPase YPT1 homolog; GTP binding protein Rab1a; OTTHUMP00000202273; Rab GTPase YPT1 homolog (yeast)

**Gene ID**

[5861](#)

**mRNA Refseq**

[NM\\_004161](#)

**Protein Refseq**

[NP\\_004152](#)

**MIM**

[179508](#)

**UniProt ID**

[P62820](#)

**Chromosome  
Location**

2p14

**Function**

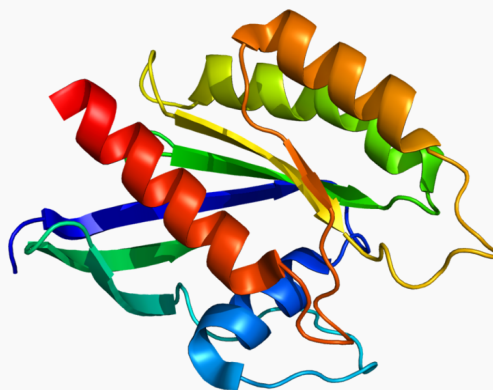
GTP binding; GTPase activity; nucleotide binding

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on 2fol.



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